Soil Potential Rating for Land Use Planning at a Local Level in Maine

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SUMMARY

The methodology for constructing SOIL POTENTIAL ARRAYS is concerned with working with the soils inventory within a community and overcoming the limiting soil characteristics by utilizing accepted technology and management practices.

Lamoine Township was used to illustrate how soil potential maps can be generated to reflect increased capability of soil characteristics with imposed modifications for septic sewage disposal, and residential housing with public services.

The principles for creating SOIL POTENTIAL ARRAYS are applicable for all land uses, both public and private. Urban and industrial utilization potential can be increased by local ordinances, design specifications and site modifications. Use of this tool can help develop guidelines for designating agricultural areas of local importance. Agriculture on the urban fringe provides valuable open space as well as produces crops; and loss of such farmland could be considered a social loss. SOIL POTENTIAL ARRAYS is the first step to defining prime land at the local level for uses pertinent to that locality.

Soil Potential Rating for Land Use Planning at a Local Level in the State of Maine

William L. Mitchell, A. Frick and R.V. Rourke[1]

INTRODUCTION

The concern for the environment which surfaced in the late 1960's struck responsive chords in Maine, where traditions are tied to the earth: the forest, field and ocean. The coast, especially, was the site of conflict between development and conservation. Proposed oil refineries, an aluminum smelting plant and other industrial uses competed with recreational development, agriculture and forestry. Maine people, with an advantage of looking to some of the mistakes in coastal states to the south, realized that to gain the benefits promised by the developers, some aspects of their lives and the character of the land and sea would very likely change.

Some of the power to make decisions on these changes was taken by the legislature with laws regarding site selection, shoreland zoning and powers given to the State Planning Office, the Department of Conservation and the Department of Environmental Protection. The federal government also had powers to enforce national air and water quality standards. Individual communities, however, were given an important role in the decision making process regarding local land use. In its 1970-71 session, the Maine legislature established the right of elected town officials to appoint planning boards which could study the local situation and create long range guidelines for land use. If such guidelines were acceptable to the citizens of a community, as voted at town meeting, the state would recognize those land use ordinances and therefore leave many of the decisions regarding development to the towns.

Citizens are concerned with the positive and negative aspects of change in their own communities. Given enough information, they will make decisions which maximize the benefits and minimize the drawbacks. But in a society where information is expensive, planning boards are often in a dilemma; they want the best information available, but cannot afford to purchase it. Furthermore, the planning board member is confronted with a very difficult task of staying acquainted with all aspects of rapidly changing land use issues, such as farmland protection, control of urban sprawl, prevention of ribbon development, and protection of critical areas like wetlands and shorelines. Confronted with such problems, even a well-read planning board would be tempted to say either "no growth at all, no changes," or "sure, do anything you want, don't bother us any further." Neither choice is a very realistic approach; both are likely to have negative impacts on the health of a community.

Many planning boards in Maine have begun preparing an inventory of their communities' natural resources in an effort to acquire necessary information for making good land use decisions. While there is no consensus over what makes "good" land use or "quality" development, there is a growing understanding that any development should respect the natural systems in the same way that they should respect the people who are affected by the changes which development may cause.

Soils information is an integral part of any resource inventory. One of the tools often used in conjunction with available maps is a publication titled *Soil Suitability Guide For Land Use Planning in Maine* (University of Maine at Orono Cooperative Extension Service Miscellaneous Publication 667 (Rev.)). The reader of this booklet may determine the suitability of a soil unit for various uses, including agriculture, development, recreation and forestry and wildlife management. For example, if the soils map indicates the presence of a Peru soil with a slope of 8 to 15%, the GUIDE would indicate that the site is Very Poor for the development of a septic system, but that the soil characteristics are such that the site is rated Fair for installation of a sewer line which might connect a house with the town sewer.

Few of the soils in Maine, especially in the coastal sectors, can be considered highly suitable for development of any kind. It is entirely possible for a community to survey its soils and find that there are no sites well suited to uses such as septic systems, residential construction, roads or commercial structures, even though the communities presently enjoy all of those uses. In

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such a case, the *Soil Suitability Guide* may be an almost frustrating tool without proper guidance. A community which finds that the existing soil types are not adequate to the stresses to which they will be subjected, may choose to require design criteria in the development phase which will compensate for the soil property causing an unfavorable rating. "Why does the soil have an unfavorable suitability rating for that use, and can we alleviate the problem with site modifications, design specifications, or management planning to increase its potential?"

Before proceeding, a distinction must be made between SOIL SUITABILITY and SOIL POTENTIAL. SOIL SUITABILITY is a relative rating placed on a soil declaring how appropriate it is for a specific use. It is decided upon by examining predetermined soil characteristics for a specific use and rating the soil for the most limiting of the properties. For example, for use as pipe or sewer line installation the soil characteristics examined are drainage, slope, depth to bedrock, textural stability, flooding, surface stoniness and surface rockiness. A rating is given to each soil property as illustrated in the table of criteria (See Example A). This table of criteria is based on soil conditions in Maine and the array of suitability is relative within Maine.

SOIL POTENTIAL RATING utilizes the tables of criteria in the *Suitability Guide*. Soil potential is concerned with determining the reason for the suitability rating and imposing modifications for improving the soil conditions in order to increase the capability of the soil. The following outline of methodology involved, along with a case study, will clarify this process of generating soil potential arrays, so that communities can make good decisions concerning land use.

Example A
Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage	Excessively Somewhat excessive Well	Moderately well	Somewhat poorly	Poorly Very poorly
Depth to Bedrock	More than 40″	40-20″	Less than 20″	-
Rooting Depth	More than 20″		20-15″	Less than 15″
Slope	0-8%	8-15%	-	More than 15%
Flooding	None	-	None to occasional	Occasional Frequent Annual
Permeability	0.6-2.0″ 2.0-6.0″	6.0-20″	0.2-0.6″	Less than 0.2″ More than 20
Surface Stoniness	Non stony Stony	Very stony	Extremely stony	Stony land Rubble land
Surface Rockiness	Non rocky	-	Rocky	Very rocky Extremely rocky Rock land

METHODOLOGY OF CONSTRUCTING SOIL POTENTIAL ARRAYS

1. List the soils and slopes that exist within the area of concern. (See Example B). This can be determined by consulting soil maps and legends of published soil surveys, aerial photo, field-work sheets of unpublished surveys, and by on-site investigation by a soil scientist (See Map #1). A soil scientist creates a list of the soil types by arranging them by catena and then by variation in slope. A catena is a sequence of soils of about the same age, derived from a similar parent material, and occurring under similar climatic conditions, but having different characteristics due to variation in depth to bedrock and in natural drainage.

Example B

TYPE	SLOPE
Suffield silt loam	C
Buxton silt loam	B
Buxton silt loam	C
Scantic silt loam	A
Scantic silt loam	B
Biddeford silt loam	A
Marlow fine sandy loam	B
Marlow fine sandy loam	C
Peru fine sandy loam	B
Lyman fine sandy loam	B
Adams loam sand	B

2. With assistance from a soil scientist, refer to the *Soil Suitability Guide* to determine the rating of the soils for the uses that the community has decided it wishes to develop or protect and establish an array of soil suitability ratings for each purpose. (See Example C).

The particular uses selected by a community will depend upon its unique location, socio-economic situation, current land utilization practices, and social values, etc. For example, a community with developmental pressure may consider uses such as septic sewage disposal, pipe and sewer line construction, etc., while a rural community may consider potato, apple cultivation or forest utilization.

Example C
SEPTIC SEWAGE DISPOSAL

TYPE	SUITABILITY RATING	
Suffield silt loam	C	poor or very poor
Buxton silt loam	B	poor or very poor
Buxton silt loam	C	poor or very poor
Scantic silt loam	A	poor or very poor
Scantic silt loam	B	poor or very poor
Biddeford silt loam	A	poor or very poor
Marlow fine sandy loam	B	fair
Marlow fine sandy loam	C	fair
Peru fine sandy loam	B	poor or very poor
Lyman fine sandy loam	B	poor or very poor
Adams loamy sand	B	poor

3. Color code a soil map of the area for the suitability of the relevant uses (good - green, fair - yellow, poor and very poor - red). (See Maps #2, #3). Poor and very poor ratings were grouped together to simplify the color scheme because both ratings have significant negative impact on the environment, but differ in the severity of the problems. Overlay the suitability maps with existing zoning systems and critical areas (if town has them). Thus, no attempt will be made to overcome soil characteristics for uses that conflict with zoning ordinances.

It is assumed that the town has asseseed its overall land use picture and has determined to some extent how much farming, forestry, wildlife, residential, commercial and industry it would like to maintain, preserve or create in the future. No more work is required if there is sufficient area of favorably rated soils for the intended use. Proceed if the array of soil ratings is not compatible with present and future land use demand.

4. The generation of soil potential maps involves overcoming at least one inherent soil property that is inconsistent with the use intended. The soil conditions necessitate site preparation, design concepts, installation methods, and management for development. Some limitations can be surmounted with modest costs, while others are more expensive to overcome. Not all soils can terminate in a favorable soil potential rating because of innate characteristics that are practically insurmountable. Development of these soils will either require extremely expensive design, construction and maintenance techniques or have a detrimental effect on the environment. Also, additional factors such as zoning and other ordinances, and critical areas have precedence.

There are certain soil types such as Biddeford silt loam which commonly occupy depressional areas. The internal drainage of the soil and its typical position within the landscape make this soil extremely difficult to improve by supplemental drainage because of its inherent slow permeability and lack of sufficient hydraulic heads to remove the water to another location. A soil scientist can recognize this situation and avoid any miscalculations.

Examine the table of criteria of soil characteristics that were utilized to generate the suitability rating for the specific uses of interest. These can be found in Appendix B of the *Soil Suitability Guide*. (See Literature Cited).

5. For each soil listed in Step #1, create an individual table of criteria of the particular soil characteristics. Use Appendix B of the *Soil Suitability Guide* as a model for the desired use. (See Example D).

6. Impose technologically accepted methods that will remedy the limiting soil characteristics within economic constraints. Recommendations for design specifications, management techniques and construc-

EXAMPLE D

Soil Type: ELMWOOD F.S.L. B Map Symbol: 27B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm Clays		

$$\frac{165}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{11}{9} \quad \frac{18}{10} \quad \frac{2}{11} \quad \frac{2}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{5}{16} \quad \frac{5}{17}$$

EXAMPLE D

Soil Type: ELMWOOD F.S.L. B Map Symbol: 27B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-25″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				.06-.02″
Surface Stoniness (2)	Non-stony			
Surface Rockiness (3)	Non-rocky			

$$\frac{165}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{11}{9} \quad \frac{18}{10} \quad \frac{2}{11} \quad \frac{2}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{5}{16} \quad \frac{5}{17}$$

tion practices may be obtained by consulting various disciplines concerned (i.e., soil scientists, engineers, foresters, landscape architects, etc.). Assume a one interval improvement for that soil characteristic in each individual soil type if that soil characteristic were the only limitation. For example, DRAINAGE was the predominating characteristic that held the soil suitability rating unfavorable for the agricultural use of forage

cultivation (Example E) within a specific area. Surface and tile drains were intended to be utilized to correct this limitation. All soil types in that area, utilizing supplemental drainage, would have the drainage classification upgraded one category. (See Example E).

Example E

Poor rating becomes Fair in this case:

	GOOD	FAIR	POOR		GOOD	FAIR	POOR
Slope	X				X		
Drainage			X			X ←	
Surface stoniness		X				X	
Surface rockiness	X				X		
Rooting depth	X				X		
Flooding	X				X		
Available water	X				X		
Surface texture	X				X		

However, a Poor rating remains Poor in this case:

	GOOD	FAIR	POOR		GOOD	FAIR	POOR
Slope	X				X		
Drainage			X			X ←	
Surface stoniness			X				X
Surface rockiness	X				X		
Rooting depth	X				X		
Flooding	X				X		
Available water	X				X		
Surface texture	X				X		

7. The soil potential ratings are now adjusted to the most limiting characteristic under the present situation. Recolor a copy of the soils map using the new potential ratings according to the modification. This newly generated soil potential map is a tool for land utilization decisions if the specific design specifications are imposed throughout the community. These may be accomplished by upgrading of construction specifications, building statutes, local ordinances, management programs, etc. No more work is required if the soil potential map allows the community adequate area of favorable soil to satisfy its needs. If not, proceed to 8.

8. Re-examine the soil criteria charts created in Step #6 and impose additional modifications that will improve the predominate soil characteristics that are now limiting. Recolor code the soil map and proceed until either society is satisfied with soil potential maps and the required modifications or further modifications become impractical with known technology.

A CASE STUDY — LAMOINE TOWNSHIP

The 'Pinkham Farm Project' was initiated as a model site of agricultural land along the coast of Maine. Its proposed objective was to review the situation, while attempting to propose recommendations on how to maintain coastal farming. The preliminary soils investigation on the Pinkham Farm concluded that the existing soil types on that specific site did not offer enough heterogeneity for a good planning model. The project boundaries were then expanded to include the entire township of Lamoine to provide adequate diversity of soil types encountered. A more relevant planning model could then be established which would be more applicable to coastal lands.

Developmental pressure exerted by housing demands along the coast has created the most stress on coastal agriculture and open space land, and society is concerned with the dwindling supply of these lands. Agricultural lands along the Maine coast may not be considered 'prime farmland' on a national scale, nor

perhaps, even on a statewide basis; however, the farmland may be of 'prime' value to that particular community. Open space and farmland enhance the esthetics of the landscape and add to recreational and leisure opportunity. It is a benefit to society to maintain enough of this land to contribute to the quality of life and to serve as a potential source of future croplands.

The Lamoine Project confronted this issue. Development, conservation, and preservation comprise the total spectrum of society's land use activities and all are necessary for a vital economy, high quality of life and general well being. It is not difficult to perceive that the natural beauty of the landscape and surroundings, which create the magnetism of the coastal area, could be destroyed if care is not taken to encourage quality development. The project took the perspective that a possible way to preserve and protect open space and agricultural land was to concentrate development in areas with the greatest potential for quality development, thereby alleviating the developmental stress on the surrounding areas and allowing them to remain in other uses.

The following procedure is an example of the method applied to a specific community. This process was meant to be objective in order to test how the system could be used to generate a soil potential map for a locality. By no means does it intend to represent nor encourage any subjective land use decision. It is simply employed as an illustration of how such maps may be created.

An order 2 (medium intensity) soils map of Lamoine was constructed by compiling soil map sheets supplied by the Soil Conservation Service. The soil mapping units within the community were listed in the key (See Map #1).

Since residential and summer housing have created the largest demand on Lamoine property, this case concerned itself with soil potential of septic sewage disposal, foundation construction, and pipe and sewer lines installation; and the *Soil Suitability Guide* was consulted to determine the suitability rating of the soils for those uses. A soils map of the area illustrating the suitability for septic sewage disposal was then colored according to the suitability rating (i.e., green, good, yellow - fair, red - poor and very poor). (See Map #2).

The table of criteria of soil characteristics that were utilized to generate the suitability rating for septic sewage disposal, was consulted by referring to Appendix B of the Soil Suitability Guide. For each mapping unit found in the Town of Lamoine, an individual table of criteria was created with information supplied by the Soil Conservation Service. (See Appendix).

The criteria sheets in Appendix show that soil drainage and permeability are the most limiting characteristics of the soils that comprise Lamoine, for their utilization as septic sewage disposal sites. Inadequacies due to poor drainage and slope can be overcome to some extent by filling the absorption site, thereby improving the soil potential. Slow permeability rates can offer limitations for septic sewage disposal also, but can be surmounted in some cases by larger absorption fields and progressive design concepts.

A new map was drawn with the assumption that modifications would be imposed for proper design of subsurface absorption field (as specified by Department of Health Engineering). Such modifications would call for filling of absorption field with proper soil to alleviate drainage characteristics of moderately well to poorly drained soils; and require proper system size and design to compensate for permeability rates. Drainage and permeability were upgraded one class for all the soil mapping units and the soil potential ratings were then created as in Map #3.

Quality residential housing development with public sewer requires soil conditions compatible with construction of foundation and pipe and sewer line installation. Since sewage disposal is handled off-site with public facilities, in this case, the most stringent use of the soil conditions was between foundation construction and pipe and sewer line installation. The most limiting use for each soil was used to reflect the soil potential for residential housing with public sewer. Another copy of the soil map was color coded for suitability for residential housing with public sewer. This was done by referring to the suitability rating for foundations, and pipe and sewer line construction for each soil unit of the map and selecting the most unfavorable rating. For example, the soil mapping unit MARLOW fine sandy loam on a B slope has a suitability rating of:

Fair for foundation construction
Good for pipe and sewer line location

The suitability rating for residential housing with public sewer would then be Fair (See Map #4).

The predominate limiting characteristics for utilization of soils for residential housing with public sewers were potential frost action, drainage and textural stability. The first modification imposed was reinforcement of trench walls while working. This precaution, which will alleviate slumping of trench walls upon workers and thereby increase the potential for utilization of the soil requires very little capital investment. It immediately moves the rating of the soils with loose consistency into a more favorable category. (See Example F and Map #5).

Another modification which requires a larger capital investment and more explicit design specifications is to provide adequate drainage for foundations. Basement drainage is widely accepted throughout the construction industry. By utilizing this design concept, the limiting soil characteristics of permeability, drainage and frost action can be simultaneously alleviated in some cases. The rating is upgraded one class for those categories and the soil potential map is then established as in Map #6. (See Map #6).

This paper is intended to be a guide and does not cover every consideration for generating soil potential arrays for every possible land use consideration and every soil type. In fact, this would be an impossible task with no relevance. For soil potential ratings to be a highly valuable tool for land use decision, they must be generated through open communication among townspeople, planners, soil scientists and all interested parties.

What are the town's priorities? What are the available resources? What is the present socio-economic situation and in what desired direction does the town wish to proceed? These are very intimate questions that can only be considered on a case by case basis and require very subjective deliberation. therefore, the objective of this paper was to remain very general because every community will have different priorities, various requirements for land utilization and a very unique situation of land resources.

CONCLUSION

The methodology for constructing Soil Potential Arrays is concerned with working with the soils inventory within a community and overcoming the limiting

EXAMPLE F

Soil Type: DUANE S.L. B Map Symbol: 23B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost action (14)		Moderate		
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-stony			
Surface Rockiness (3)	Non-rocky			
Textural Stability Classes (17)	Loose sand & gravel			

$$\frac{158}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{6}{8} \quad \frac{10}{9} \quad \frac{2}{10} \quad \frac{7}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{1}{15} \quad \frac{1}{16} \quad \frac{2}{17}$$

EXAMPLE F

Soil Type: DUANE S.L. B Map Symbol: 23B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60"			
Textural Stability Classes (17)		←		Loose sand & gravel
Flooding (7)	None			
Surface Stoniness (2)	Non-stony			
Surface Rockiness (3)	Non-rocky			

158	2	1	1	4	3	1	1	6	10	2	7	3	3	2	1	1	2
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

soil characteristics by calling upon accepted technology and management practices.

Qualified soil scientists are necessary in the preliminary development stages in order to contribute necessary insight into soil conditions and limitations in order to avoid unnecessary oversight. Also, a soil investigation must be done at each site as it is used because of possible inclusions in soil mapping units of a medium intensity soil survey. Once the basic soil information has been supplied, the planners, townspeople, and other professionals of related disciplines must be consulted to develop workable Soil Potential Arrays. Refinement and application of Soil Potential Arrays can increase the ability to make good land use decisions.

The principles for creating Soil Potential Arrays are applicable for all land uses — both public and private. Urban and industrial utilization potential can be increased by local ordinances, design specifications and site modifications. Utilization of this 'tool' can help develop guidelines for designating agricultural areas of local importance. Agriculture on the urban fringe provides valuable open space as well as producing crops; and loss of such farmland could be considered as a social loss. Soil Potential Arrays is the first step to defining prime land at the local level for uses pertinent to that locality.

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APPENDIX

Soil Type: TIDAL MARSH

Map Symbol: 9T

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very Poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				Less than 10″
Slope (1)	0-3%			
Flooding (7)				Daily
Permeability (11)		6.0-2.0″		
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{475}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{5}{7}$ $\frac{1}{8}$ $\frac{22}{9}$ $\frac{22}{10}$ $\frac{6}{11}$ $\frac{4}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{4}{15}$ $\frac{0}{16}$ $\frac{9}{17}$

Soil Type: TIDAL MARSH Map Symbol: 9T

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Very Poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)				Daily
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)				Unstable organics

$\frac{475}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{5}{7}$ $\frac{1}{8}$ $\frac{22}{9}$ $\frac{22}{10}$ $\frac{6}{11}$ $\frac{4}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{4}{15}$ $\frac{0}{16}$ $\frac{9}{17}$

Soil Type: TIDAL MARSH

Map Symbol: 9T

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very Poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Unstable Organics
Flooding (7)				Daily
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{475}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{5}{7}$ $\frac{1}{8}$ $\frac{22}{9}$ $\frac{22}{10}$ $\frac{6}{11}$ $\frac{4}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{4}{15}$ $\frac{0}{16}$ $\frac{9}{17}$

Soil Type: SAPRISTS & HEMISTS Map Symbol: 9P

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				Less than 10″
Slope (1)	0-3%			
Flooding (7)				Daily
Permeability (11)				More than 20″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{388}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{5}{7}$ $\frac{1}{8}$ $\frac{22}{9}$ $\frac{22}{10}$ $\frac{7}{11}$ $\frac{4}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{4}{15}$ $\frac{0}{16}$ $\frac{9}{17}$

Soil Type: SAPRISTS & HEMISTS Map Symbol: 9P

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Very poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)				Daily
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)				Unstable organics

$\frac{388}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{5}{7}$ $\frac{1}{8}$ $\frac{22}{9}$ $\frac{7}{10}$ $\frac{6}{11}$ $\frac{4}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{4}{15}$ $\frac{0}{16}$ $\frac{9}{17}$

Soil Type: SAPRISTS & HEMISTS Map Symbol: 9P

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Unstable organics
Flooding (7)				Daily
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{475}{} \quad \frac{1}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{7}{4} \quad \frac{5}{5} \quad \frac{1}{6} \quad \frac{5}{7} \quad \frac{1}{8} \quad \frac{22}{9} \quad \frac{22}{10} \quad \frac{6}{11} \quad \frac{4}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{4}{15} \quad \frac{0}{16} \quad \frac{9}{17}$$

Soil Type: FRESH WATER MARSH Map Symbol: 9M

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				Less than 10″
Slope (1)	0-3%			
Flooding (7)				Daily
Permeability (11)		6.0-2.0″		
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{173}{\ }$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{5}{7}$ $\frac{1}{8}$ $\frac{22}{9}$ $\frac{22}{10}$ $\frac{6}{11}$ $\frac{4}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{4}{15}$ $\frac{0}{16}$ $\frac{9}{17}$

Soil Type: FRESH WATER MARSH Map Symbol: 9M

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Very poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)				Daily
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)				Unstable organics

$\frac{173}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{5}{7}$ $\frac{1}{8}$ $\frac{22}{9}$ $\frac{6}{10}$ $\frac{6}{11}$ $\frac{4}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{4}{15}$ $\frac{0}{16}$ $\frac{9}{17}$

Soil Type: FRESH WATER MARSH Map Symbol: 9M

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Unstable organics
Flooding (7)				Daily
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{475}{} \quad \frac{1}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{7}{4} \quad \frac{5}{5} \quad \frac{1}{6} \quad \frac{5}{7} \quad \frac{1}{8} \quad \frac{22}{9} \quad \frac{22}{10} \quad \frac{6}{11} \quad \frac{4}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{4}{15} \quad \frac{0}{16} \quad \frac{9}{17}$$

Soil Type: ADAMS, LS B — Map Symbol: 16B
Soil Type: COLTON, GLS B — Map Symbol: 22B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Excessively			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)	More than 40″			
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				More than 20″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{113}{\ }$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$

Soil Type: ADAMS, LS B
Soil Type: COLTON GLS B

Map Symbol: 16B
Map Symbol: 22B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)	Low			
Drainage (4)	Excessively			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Loose sand Loose sand & gravel			

$\frac{113}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$

Soil Type: ADAMS LS B — Map Symbol: 16B
Soil Type: COLTON GLS B — Map Symbol: 22B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Excessively			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Loose sand Sand & Gravel
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{113}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$

Soil Type: COLTON GLS C
Soil Type: ADAMS LS C

Map Symbol: 22C
Map Symbol: 16C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Excessively			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)	More than 40″			
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)				More than 20″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{114}{113}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$

$\frac{3}{1}$

Soil Type: COLTON GLS C
Soil Type: ADAMS LS C

Map Symbol: 22C
Map Symbol: 16C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)	Low			
Drainage (4)	Excessively			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Loose sand Loose sand & gravel			

$\frac{114}{113}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$

$\frac{3}{1}$

Soil Type: COLTON GLS C
Soil Type: ADAMS LS C

Map Symbol: 22C
Map Symbol: 16C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Excessively			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Loose sand Sand & gravel
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{114}{113}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$ $\frac{3}{1}$

Soil Type: COLTON, GLS E

Map Symbol: 22E

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Excessively			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)	More than 40″			
Slope (1)				More than 15%
Flooding (7)	None			
Permeability (11)				More than 20″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{116}{}$ $\frac{5}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$

Soil Type: COLTON GLS E Map Symbol: 22E

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)	Low			
Drainage (4)	Excessively			
Slope (1)				25% +
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Loose sand & gravel			

$$\frac{116}{} \quad \frac{5}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{1}{4} \quad \frac{1}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{6}{9} \quad \frac{2}{10} \quad \frac{7}{11} \quad \frac{3}{12} \quad \frac{2}{13} \quad \frac{1}{14} \quad \frac{1}{15} \quad \frac{1}{16} \quad \frac{1}{17}$$

Soil Type: COLTON GLS E Map Symbol: 22E

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Excessively			
Slope (1)				More than 25%
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Loose sand & gravel
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{116}{}$ $\frac{5}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{6}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{2}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$

Soil Type: DUANE SANDY LOAM B Map Symbol: 23B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				More than 20″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

158 $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{2}{17}$

Soil Type: DUANE SL B Map Symbol: 23B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Loose sandy & gravel			

$\frac{158}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{2}{17}$

Soil Type: DUANE SL B Map Symbol: 23B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Loose sand & gravel
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{158}{\quad}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{2}{10}$ $\frac{7}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{2}{17}$

Soil Type: WALPOLE SL A, B Map Symbol: 24A, 24B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				15-10″
Slope (1)	0-8%			
Flooding (7)	None			
Permeability (11)		60-20″		
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{480}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{10}{9}$ $\frac{2}{10}$ $\frac{6}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{1}{15}$ $\frac{2}{16}$ $\frac{1}{17}$

Soil Type: WALPOLE SL A, B Map Symbol: 24A, 24B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Poorly
Slope (1)	0-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Loose sand			

$$\frac{480}{} \quad \frac{1}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{6}{4} \quad \frac{4}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{10}{9} \quad \frac{2}{10} \quad \frac{6}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{1}{15} \quad \frac{2}{16} \quad \frac{1}{17}$$

Soil Type: WALPOLE SL A, B Map Symbol: 24A, 24B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Slope (1)	0-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)				Loose sand
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{480}{} \quad \frac{1}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{6}{4} \quad \frac{4}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{10}{9} \quad \frac{2}{10} \quad \frac{6}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{1}{15} \quad \frac{2}{16} \quad \frac{1}{17}$$

Soil Type: MELROSE FSL B Map Symbol: 26B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				.06-.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{286}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{11}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{6}{17}$

Soil Type: MELROSE FSL B Map Symbol: 26B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Well			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$$\frac{286}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{3}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{1}{8} \quad \frac{11}{9} \quad \frac{18}{10} \quad \frac{2}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{3}{15} \quad \frac{5}{16} \quad \frac{5}{17}$$

Soil Type: MELROSE FSL B

Map Symbol: 26B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{286}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{11}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: MELROSE FSL C Map Symbol: 26C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)				.06-.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

287 $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{11}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: MELROSE FSL C Map Symbol: 26C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

287 $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{11}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: MELROSE FSL C Map Symbol: 26C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{287}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{11}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: ELMWOOD FSL A,B

Map Symbol: 27A, 27B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	0-8%			
Flooding (7)	None			
Permeability (11)				.06-.02″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

165	2/1	1/2	1/3	4/4	3/5	1/6	1/7	2/8	11/9	18/10	2/11	2/12	4/13	3/14	2/15	5/16	5/17
164	1/1	1/2	1/3	4/4	3/5	1/6	1/7	2/8	11/9	18/10	2/11	2/12	4/13	3/14	2/15	5/16	5/17

Soil Type: ELMWOOD FSL A,B Map Symbol: 27A, 27B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	0-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$$\frac{165}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{11}{9} \quad \frac{18}{10} \quad \frac{2}{11} \quad \frac{2}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{5}{16} \quad \frac{5}{17}$$

$$\frac{164}{} \quad \frac{1}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{11}{9} \quad \frac{18}{10} \quad \frac{2}{11} \quad \frac{2}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{5}{16} \quad \frac{5}{17}$$

Soil Type: ELMWOOD FSL A,B

Map Symbol: 27A, 27B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	0-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{165}{164}\ \frac{2}{1}\ \frac{1}{2}\ \frac{1}{3}\ \frac{4}{4}\ \frac{3}{5}\ \frac{1}{6}\ \frac{1}{7}\ \frac{2}{8}\ \frac{11}{9}\ \frac{18}{10}\ \frac{2}{11}\ \frac{2}{12}\ \frac{4}{13}\ \frac{3}{14}\ \frac{2}{15}\ \frac{5}{16}\ \frac{5}{17}$$

Soil Type: SWANTON FSL A Map Symbol: 28A

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				15-10″
Slope (1)	0-3%			
Flooding (7)	None			
Permeability (11)			.2-.6″	
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{446}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{11}{9}$ $\frac{20}{10}$ $\frac{2}{11}$ $\frac{3}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: SWANTON FSL A

Map Symbol: 28A

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$\frac{446}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{11}{9}$ $\frac{20}{10}$ $\frac{2}{11}$ $\frac{3}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: SWANTON FSL A Map Symbol: 28A

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{446}{} \quad \frac{1}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{6}{4} \quad \frac{4}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{11}{9} \quad \frac{20}{10} \quad \frac{2}{11} \quad \frac{3}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{3}{15} \quad \frac{5}{16} \quad \frac{5}{17}$$

Soil Type: SUFFIELD SIL C Map Symbol: 30C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)				.06-.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{429}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{1}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: SUFFIELD SIL C Map Symbol: 30C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$\frac{429}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{1}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: SUFFIELD SIL C Map Symbol: 30C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{429}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{4}{9}$ $\frac{18}{10}$ $\frac{2}{11}$ $\frac{1}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: SUFFIELD, SIL D, E

Map Symbol: 30D, 30E

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)				More than 15%
Flooding (7)	None			
Permeability (11)				.06-.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{430}{}\ \frac{4}{5}\ \frac{1}{1}\ \frac{1}{2}\ \frac{1}{3}\ \frac{3}{4}\ \frac{3}{5}\ \frac{1}{6}\ \frac{1}{7}\ \frac{2}{8}\ \frac{14}{9}\ \frac{18}{10}\ \frac{2}{11}\ \frac{1}{12}\ \frac{4}{13}\ \frac{3}{14}\ \frac{3}{15}\ \frac{8}{16}\ \frac{5}{17}$$

Soil Type: SUFFIELD SIL D, E Map Symbol: 30D, 30E

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)	Well			
Slope (1)			15-25%	More than 25%
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$$\frac{430}{}\ \frac{4}{5}\ \frac{1}{1}\ \frac{1}{2}\ \frac{1}{3}\ \frac{3}{4}\ \frac{3}{5}\ \frac{1}{6}\ \frac{1}{7}\ \frac{2}{8}\ \frac{14}{9}\ \frac{18}{10}\ \frac{2}{11}\ \frac{1}{12}\ \frac{4}{13}\ \frac{3}{14}\ \frac{3}{15}\ \frac{8}{16}\ \frac{5}{17}$$

Soil Type: SUFFIELD SIL D, E Map Symbol: 30D, 30E

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)			15-25%	More than 25%
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{430}{\quad}\ \frac{4}{5}\ \frac{1}{1}\ \frac{1}{2}\ \frac{1}{3}\ \frac{3}{4}\ \frac{3}{5}\ \frac{1}{6}\ \frac{1}{7}\ \frac{2}{8}\ \frac{14}{9}\ \frac{18}{10}\ \frac{2}{11}\ \frac{1}{12}\ \frac{4}{13}\ \frac{3}{14}\ \frac{3}{15}\ \frac{8}{16}\ \frac{5}{17}$$

Soil Type: BUXTON SIL B Map Symbol: 32B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				.06-.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{69}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{1}{11}$ $\frac{1}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: BUXTON SIL B Map Symbol: 32B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$\frac{69}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{1}{11}$ $\frac{1}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: BUXTON SIL B Map Symbol: 32B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{69}{\quad}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{1}{11}$ $\frac{1}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: BUXTON SIL C Map Symbol: 32C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)				.06-.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{70}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{1}{11}$ $\frac{1}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: BUXTON SIL C Map Symbol: 32C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$\frac{70}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{1}{11}$ $\frac{1}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: BUXTON SIL C Map Symbol: 32C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{70}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{14}{9}$ $\frac{18}{10}$ $\frac{1}{11}$ $\frac{1}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{8}{16}$ $\frac{5}{17}$

Soil Type: SCANTIC SIL A, B

Map Symbol: 33A, 33B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				15-10″
Slope (1)	0-8%			
Flooding (7)	None			
Permeability (11)				0.06-0.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{390}{\quad}\quad \frac{1}{\frac{2}{1}}\quad \frac{1}{2}\quad \frac{1}{3}\quad \frac{6}{4}\quad \frac{4}{5}\quad \frac{1}{6}\quad \frac{1}{7}\quad \frac{2}{8}\quad \frac{14}{9}\quad \frac{18}{10}\quad \frac{2}{11}\quad \frac{2}{12}\quad \frac{4}{13}\quad \frac{3}{14}\quad \frac{3}{15}\quad \frac{8}{16}\quad \frac{5}{17}$$

Soil Type: SCANTIC SIL A,B

Map Symbol: 33A, 33B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Poorly
Slope (1)	0-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$$\frac{390}{1}\quad\frac{\frac{1}{2}}{1}\quad\frac{1}{2}\quad\frac{1}{3}\quad\frac{6}{4}\quad\frac{4}{5}\quad\frac{1}{6}\quad\frac{1}{7}\quad\frac{2}{8}\quad\frac{14}{9}\quad\frac{18}{10}\quad\frac{2}{11}\quad\frac{2}{12}\quad\frac{4}{13}\quad\frac{3}{14}\quad\frac{3}{15}\quad\frac{8}{16}\quad\frac{5}{17}$$

Soil Type: SCANTIC SIL A, B

Map Symbol: 33A, 33B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Slope (1)	0-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{390}{1}\quad\frac{\frac{1}{2}}{1}\quad\frac{1}{2}\quad\frac{1}{3}\quad\frac{6}{4}\quad\frac{4}{5}\quad\frac{1}{6}\quad\frac{1}{7}\quad\frac{2}{8}\quad\frac{14}{9}\quad\frac{18}{10}\quad\frac{2}{11}\quad\frac{2}{12}\quad\frac{4}{13}\quad\frac{3}{14}\quad\frac{3}{15}\quad\frac{8}{16}\quad\frac{5}{17}$$

Soil Type: BIDDEFORD SIL A Map Symbol: 34A

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very poor
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				Less than 10″
Slope (1)	0-3%			
Flooding (7)	None			
Permeability (11)				Less than 0.06″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{64}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{14}{9}$ $\frac{21}{10}$ $\frac{1}{11}$ $\frac{3}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: BIDDEFORD SIL A Map Symbol: 34A

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Very poor
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Firm clays		

$\frac{64}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{14}{9}$ $\frac{21}{10}$ $\frac{1}{11}$ $\frac{3}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{3}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: BIDDEFORD SIL A Map Symbol: 34A

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Very poor
Slope (1)	0-3%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Firm clays		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{64}{}$ $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{7}{4}$ $\frac{5}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{14}{9}$ $\frac{21}{10}$ $\frac{1}{11}$ $\frac{3}{12}$ $\frac{5}{13}$ $\frac{3}{14}$ $\frac{5}{15}$ $\frac{5}{16}$ $\frac{5}{17}$

Soil Type: MARLOW FSL B Map Symbol: 42B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)			0.2-0.6″	
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{274}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW FSL B

Map Symbol: 42B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Well			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$\frac{274}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW FSL B

Map Symbol: 42B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{274}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW FSL C Map Symbol: 43B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)			0.2-0.6″	
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{275}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW FSL C

Map Symbol: 43B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$\frac{275}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW FSL C Map Symbol: 42C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{275}{} \quad \frac{3}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{3}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{4}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{3}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: MARLOW VSTFSL B

Map Symbol: 43B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)			0.2-0.6″	
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

277 $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW VSTFSL B Map Symbol: 43B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Well			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$\frac{277}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW VSTFSL B

Map Symbol: 43B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{277}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: MARLOW VSTFSL C

Map Symbol: 43C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)			0.2-0.6″	
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$$\frac{278}{} \quad \frac{3}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{3}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{4}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{3}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: MARLOW VSTFSL C

Map Symbol: 43C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$$\frac{278}{} \quad \frac{3}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{3}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{4}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{3}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: MARLOW VSTFSL C Map Symbol: 43C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Well			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{278}{}$ $\frac{3}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: PERU FSL B

Map Symbol: 44B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				0.06-0.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{332}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: PERU FSL B Map Symbol: 44B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$\frac{332}{\quad}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: PERU FSL B

Map Symbol: 44B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{332}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{4}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{2}{11} \quad \frac{2}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: PERU VSTFSL B Map Symbol: 45B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				0.06-0.2″
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{336}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: PERU VSTFSL B Map Symbol: 45B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$\frac{336}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: PERU VSTFSL B Map Symbol: 45B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than			
Textural Stability Classes (17)	Firm loams 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{336}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: PERU VSTFSL C Map Symbol: 45C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)				0.06-0.2″
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{337}{}$ $\frac{3}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: PERU VSTFSL C

Map Symbol: 45C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$$\frac{337}{} \quad \frac{3}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{4}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{2}{11} \quad \frac{2}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: PERU VSTFSL C

Map Symbol: 45C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{337}{}$ $\frac{3}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{4}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{2}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: RIDGEBURY FSL B Map Symbol: 46B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				15-10″
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				0.06-0.2″
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{363}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{10}{10}$ $\frac{2}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: RIDGEBURY FSL B Map Symbol: 46B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Poorly
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$\frac{363}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{10}{10}$ $\frac{2}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: RIDGEBURY FSL B Map Symbol: 46B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{363}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{6}{4} \quad \frac{4}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{10}{10} \quad \frac{2}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type RIDGEBURY VSTFSL B Map Symbol: 48B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				15-10″
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)				0.06-0.2″
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$$\frac{366}{} \quad \frac{2}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{6}{4} \quad \frac{4}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{10}{10} \quad \frac{2}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: RIDGEBURY VSTFSL B Map Symbol: 48B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Poorly
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$$\frac{366}{} \quad \frac{2}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{6}{4} \quad \frac{4}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{10}{10} \quad \frac{2}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: RIDGEBURY VSTFSL B Map Symbol: 48B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$$\frac{366}{} \quad \frac{2}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{6}{4} \quad \frac{4}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{10}{10} \quad \frac{2}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{3}{16} \quad \frac{7}{17}$$

Soil Type: HERMON SL B

Map Symbol: 52B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)	40-20″			
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)		60-20″		
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)				

$\frac{191}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: HERMON SL B

Map Symbol: 52B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)	Low			
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Mod. firm loamy sands			

$\frac{191}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: HERMON SL B Map Symbol: 52B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Mod. firm loamy sand			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{191}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{2}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{6}{8} \quad \frac{10}{9} \quad \frac{5}{10} \quad \frac{6}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{1}{14} \quad \frac{1}{15} \quad \frac{1}{16} \quad \frac{6}{17}$$

Soil Type: HERMON SL C Map Symbol: 52C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)	40-20″			
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)		60-20″		
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{192}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: HERMON SL C

Map Symbol: 52C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)	Low			
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Mod. firm loamy sands			

$\frac{192}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: HERMON SL C

Map Symbol: 52C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Mod. firm loamy sand			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{192}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: HERMON VSTSL B

Map Symbol: 53B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)	40-20″			
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)		60-20″		
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)				

$\frac{196}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: HERMON VSTSL B

Map Symbol: 53B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)	Low			
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Mod. firm loamy sands			

$$\frac{196}{} \quad \frac{2}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{2}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{6}{8} \quad \frac{10}{9} \quad \frac{5}{10} \quad \frac{6}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{1}{14} \quad \frac{1}{15} \quad \frac{1}{16} \quad \frac{6}{17}$$

Soil Type: HERMON VS SL B

Map Symbol: 53B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Mod. firm loamy sand			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$$\frac{196}{} \quad \frac{2}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{2}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{6}{8} \quad \frac{10}{9} \quad \frac{5}{10} \quad \frac{6}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{1}{14} \quad \frac{1}{15} \quad \frac{1}{16} \quad \frac{6}{17}$$

Soil Type: HERMON VSTSL C Map Symbol: 53C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)	40-20″			
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)		60-20″		
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$$\frac{197}{} \quad \frac{3}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{2}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{6}{8} \quad \frac{10}{9} \quad \frac{5}{10} \quad \frac{6}{11} \quad \frac{2}{12} \quad \frac{3}{13} \quad \frac{1}{14} \quad \frac{1}{15} \quad \frac{1}{16} \quad \frac{6}{17}$$

Soil Type: HERMON VSTSL C Map Symbol: 53C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)	Low			
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Mod. firm loamy sands			

197 $\frac{3}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: HERMON VSTSL C

Map Symbol: 53C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Mod. firm loamy sand			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{197}{\quad}$ $\frac{3}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{2}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$ $\frac{10}{9}$ $\frac{5}{10}$ $\frac{6}{11}$ $\frac{2}{12}$ $\frac{3}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: WAUMBECK SL B Map Symbol: 54B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)	2.0-6.0″			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{482}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{10}{9}$ $\frac{6}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: WAUMBECK SL B Map Symbol: 54B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Mod. firm loamy sandy			

$\frac{482}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{10}{9}$ $\frac{6}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: WAUMBECK SL B Map Symbol: 54B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Mod. firm loamy sand			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{482}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{10}{9} \quad \frac{6}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{1}{16} \quad \frac{6}{17}$$

Soil Type: WAUMBECK VSTSL B

Map Symbol: 55B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)	2.0-6.0″			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{484}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{10}{9}$ $\frac{6}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{1}{16}$ $\frac{6}{17}$

Soil Type: WAUMBECK VSTSL B Map Symbol: 55B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Mod. firm loamy sandy			

$$\frac{484}{} \quad \frac{2}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{10}{9} \quad \frac{6}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{1}{16} \quad \frac{6}{17}$$

Soil Type: WAUMBECK VSTSL B Map Symbol: 55B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Mod. firm loamy sand			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$$\frac{484}{} \quad \frac{2}{1} \quad \frac{3}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{10}{9} \quad \frac{6}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{1}{16} \quad \frac{6}{17}$$

Soil Type: LEICESTER VSTFSL B Map Symbol: 58B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)				15-10″
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)			0.2-0.6″	
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{235}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: LEICESTER VSTFSL B Map Symbol: 58B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)				Poorly
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)	Firm loams			

$\frac{235}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: LEICESTER VSTFSL B Map Symbol: 58B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)				Poorly
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)	Firm loams			
Flooding (7)	None			
Surface Stoniness (2)		Very Stony		
Surface Rockiness (3)	Non-Rocky			

$\frac{235}{}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{1}{3}$ $\frac{6}{4}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{3}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{3}{16}$ $\frac{7}{17}$

Soil Type: LYMAN FSL B Map Symbol: 62B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)			Less than 20″	
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)	2.0-6.0″			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{245}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{2}{16}$ $\frac{10}{17}$

Soil Type: LYMAN FSL B Map Symbol: 62B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)				Less than 20″
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)			Shallow loams, silt loams sandy loams	

$$\frac{245}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{3}{5} \quad \frac{4}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{2}{16} \quad \frac{10}{17}$$

Soil Type: LYMAN FSL B

Map Symbol: 62B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)				Less than 20″
Textural Stability Classes (17)			Shallow loams, silt loams, sandy loams	
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{245}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{3}{5} \quad \frac{4}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{2}{16} \quad \frac{10}{17}$$

Soil Type: LYMAN FSL C Map Symbol: 62C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)			Less than 20″	
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)	2.0-6.0″			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

246 $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{2}{16}$ $\frac{10}{17}$

Soil Type: LYMAN FSL C Map Symbol: 62C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)				Less than 20″
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)			Shallow loams, silt loams, sandy loams	

$\frac{246}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{2}{16}$ $\frac{10}{17}$

Soil Type: LYMAN FSL C

Map Symbol: 62C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)				Less than 20″
Textural Stability Classes (17)			Shallow loams, silt loams, sandy loams	
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$$\frac{246}{} \quad \frac{3}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{3}{5} \quad \frac{4}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{2}{16} \quad \frac{10}{17}$$

Soil Type: LYMAN VRFSL B Map Symbol: 63B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)			Less than 20″	
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)	2.0-6.0″			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)				Very Rocky

$\frac{252}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{3}{3}$ $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{2}{16}$ $\frac{10}{17}$

Soil Type: LYMAN VRFSL B Map Symbol: 63B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)				Less than 20″
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)			Very Rocky	
Textural Stability Classes (17)			Shallow loams, silt loams, sandy loams	

$$\frac{252}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{3}{3} \quad \frac{2}{4} \quad \frac{3}{5} \quad \frac{4}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{2}{16} \quad \frac{10}{17}$$

Soil Type: LYMAN VRFSL B

Map Symbol: 63B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)	3-8%			
Depth to Bedrock (6)				Less than 20″
Textural Stability Classes (17)			Shallow loam, silt loam, sandy loam	
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)				
				Very Rocky

$\frac{252}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{3}{3}$ $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{2}{16}$ $\frac{10}{17}$

Soil Type: LYMAN VSTFSL C Map Symbol: 63C

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Depth to Bedrock (6)			Less than 20″	
Rooting Depth (5)			20-15″	
Slope (1)		8-15%		
Flooding (7)	None			
Permeability (11)	2.0-6.0″			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)				Very Rocky

$\frac{253}{}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{3}{3}$ $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{2}{16}$ $\frac{10}{17}$

Soil Type: LYMAN VSTFSL C

Map Symbol: 63C

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)		Moderate		
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)				Less than 20″
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)			Very Rocky	
Textural Stability Classes (17)			Shallow loams, silt loams, sandy loams	

$$\frac{252}{} \quad \frac{3}{1} \quad \frac{1}{2} \quad \frac{3}{3} \quad \frac{2}{4} \quad \frac{3}{5} \quad \frac{4}{6} \quad \frac{1}{7} \quad \frac{5}{8} \quad \frac{11}{9} \quad \frac{11}{10} \quad \frac{5}{11} \quad \frac{3}{12} \quad \frac{3}{13} \quad \frac{2}{14} \quad \frac{2}{15} \quad \frac{2}{16} \quad \frac{10}{17}$$

Soil Type: LYMAN VSTFSL C Map Symbol: 63C

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)	Somewhat excessive			
Slope (1)		8-15%		
Depth to Bedrock (6)				Less than 20″
Textural Stability Classes (17)			Shallow loam, silt loam, sandy loam	
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)				Very Rocky

$\frac{252}{\quad}$ $\frac{3}{1}$ $\frac{1}{2}$ $\frac{3}{3}$ $\frac{2}{4}$ $\frac{3}{5}$ $\frac{4}{6}$ $\frac{1}{7}$ $\frac{5}{8}$ $\frac{11}{9}$ $\frac{11}{10}$ $\frac{5}{11}$ $\frac{3}{12}$ $\frac{3}{13}$ $\frac{2}{14}$ $\frac{2}{15}$ $\frac{2}{16}$ $\frac{10}{17}$

Soil Type: NICHOLVILLE VFSL B Map Symbol: 68B

Septic Sewage Disposal (SEPTIC)

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Depth to Bedrock (6)	More than 60″			
Rooting Depth (5)			20-15″	
Slope (1)	3-8%			
Flooding (7)	None			
Permeability (11)	0.6-2.0″			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

$\frac{304}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{12}{9}$ $\frac{7}{10}$ $\frac{4}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{8}{16}$ $\frac{4}{17}$

Soil Type: NICHOLVILLE VFSL B Map Symbol: 68B

Houses with Basements (HOUSES)

Factors	Good	Fair	Poor	Very Poor
Potential Frost Action (14)			High	
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			
Textural Stability Classes (17)		Mod. firm silts & VFS		

$$\frac{304}{} \quad \frac{2}{1} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{4}{4} \quad \frac{3}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{2}{8} \quad \frac{12}{9} \quad \frac{7}{10} \quad \frac{4}{11} \quad \frac{2}{12} \quad \frac{4}{13} \quad \frac{3}{14} \quad \frac{2}{15} \quad \frac{8}{16} \quad \frac{4}{17}$$

Soil Type: NICHOLVILLE VFSL B Map Symbol: 68B

Pipe and Sewer Lines

Factors	Good	Fair	Poor	Very Poor
Drainage (4)		Moderately well		
Slope (1)	3-8%			
Depth to Bedrock (6)	More than 60″			
Textural Stability Classes (17)		Mod. firm silts & VFS		
Flooding (7)	None			
Surface Stoniness (2)	Non-Stony			
Surface Rockiness (3)	Non-Rocky			

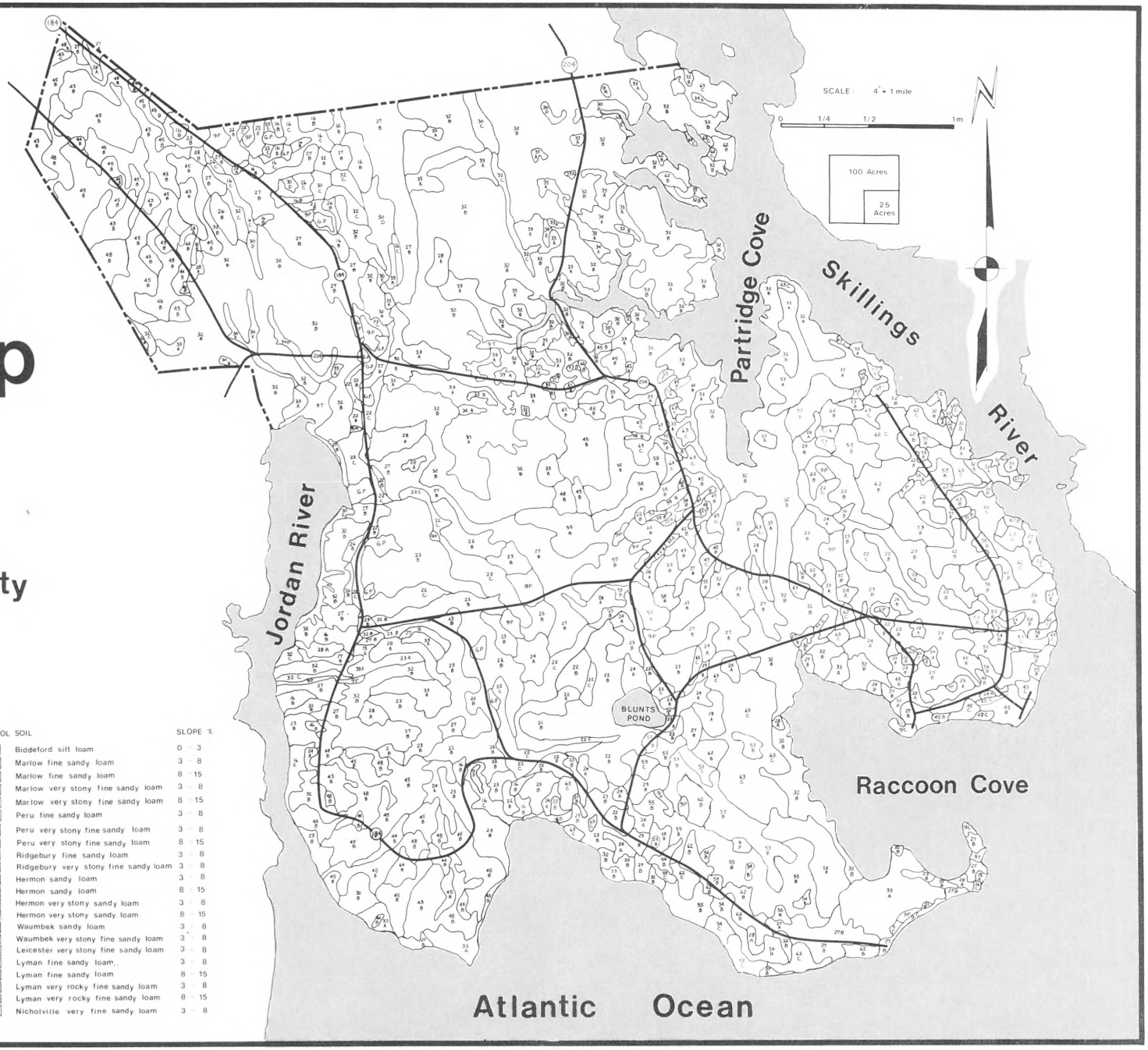
$\frac{304}{}$ $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{4}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{12}{9}$ $\frac{7}{10}$ $\frac{4}{11}$ $\frac{2}{12}$ $\frac{4}{13}$ $\frac{3}{14}$ $\frac{2}{15}$ $\frac{8}{16}$ $\frac{4}{17}$

MAP 1

Lamoine Township

Hancock County

Medium Intensity Soils Map



MAP SYMBOL	SOIL	SLOPE %
GP	Gravel pit	
9T	Tidal marsh	0 - 3
9P	Saprists & hemists	0 - 3
9M	Fresh water marsh	0 - 3
16B	Adams loamy sand	3 - 8
16C	Adams loamy sand	8 - 15
22B	Colton gravelly loamy sand	3 - 8
22C	Colton gravelly loamy sand	8 - 15
22E	Colton gravelly loamy sand	25 - 45
23B	Duane sandy loam	3 - 8
24A	Walpole fine sandy loam	0 - 3
24B	Walpole fine sandy loam	3 - 8
26B	Melrose fine sandy loam	3 - 8
26C	Melrose fine sandy loam	8 - 15
27A	Elmwood fine sandy loam	0 - 3
28A	Swanton fine sandy loam	0 - 3
30C	Suffield silt loam	8 - 15
30D	Suffield silt loam	15 - 25
30E	Suffield silt loam	25 - 45
32B	Buxton silt loam	3 - 8
32C	Buxton silt loam	8 - 15
33A	Scantic silt loam	0 - 3
33B	Scantic silt loam	3 - 8

MAP SYMBOL	SOIL	SLOPE %
34A	Biddeford silt loam	0 - 3
42B	Marlow fine sandy loam	3 - 8
42C	Marlow fine sandy loam	8 - 15
43B	Marlow very stony fine sandy loam	3 - 8
43C	Marlow very stony fine sandy loam	8 - 15
44B	Peru fine sandy loam	3 - 8
45B	Peru very stony fine sandy loam	3 - 8
45C	Peru very stony fine sandy loam	8 - 15
46B	Ridgebury fine sandy loam	3 - 8
48B	Ridgebury very stony fine sandy loam	3 - 8
52B	Hermon sandy loam	3 - 8
52C	Hermon sandy loam	8 - 15
53B	Hermon very stony sandy loam	3 - 8
53C	Hermon very stony sandy loam	8 - 15
54B	Waumbek sandy loam	3 - 8
55B	Waumbek very stony fine sandy loam	3 - 8
58B	Leicester very stony fine sandy loam	3 - 8
62B	Lyman fine sandy loam	3 - 8
62C	Lyman fine sandy loam	8 - 15
63B	Lyman very rocky fine sandy loam	3 - 8
63C	Lyman very rocky fine sandy loam	8 - 15
68B	Nicholville very fine sandy loam	3 - 8

MAP 2

Lamoine Township

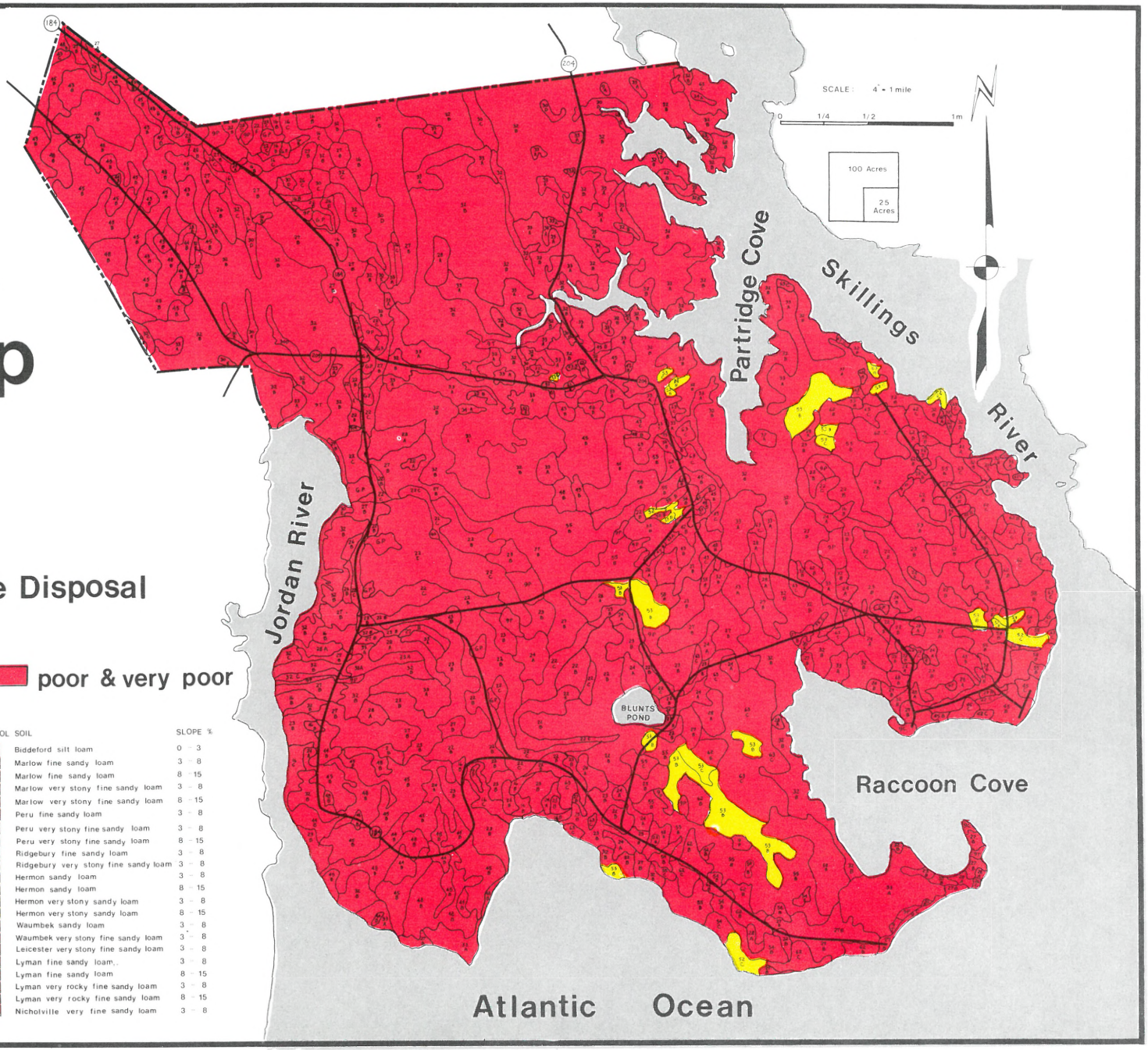
Hancock County

Soil Suitability for:
Septic Sewage Disposal

good fair poor & very poor

MAP SYMBOL	SOIL	SLOPE %
GP	Gravel pit	
9T	Tidal marsh	0 - 3
9P	Saprists & hemists	0 - 3
9M	Fresh water marsh	0 - 3
16B	Adams loamy sand	3 - 8
16C	Adams loamy sand	8 - 15
22B	Colton gravelly loamy sand	3 - 8
22C	Colton gravelly loamy sand	8 - 15
22E	Colton gravelly loamy sand	25 - 45
23B	Duane sandy loam	3 - 8
24A	Walpole fine sandy loam	0 - 3
24B	Walpole fine sandy loam	3 - 8
25B	Melrose fine sandy loam	3 - 8
25C	Melrose fine sandy loam	8 - 15
27A	Elmwood fine sandy loam	0 - 3
28A	Swanton fine sandy loam	0 - 3
30C	Suffield silt loam	8 - 15
30D	Suffield silt loam	15 - 25
30E	Suffield silt loam	25 - 45
32B	Buxton silt loam	3 - 8
32C	Buxton silt loam	8 - 15
33A	Scantic silt loam	0 - 3
33B	Scantic silt loam	3 - 8

MAP SYMBOL	SOIL	SLOPE %
34A	Biddeford silt loam	0 - 3
42B	Marlow fine sandy loam	3 - 8
42C	Marlow fine sandy loam	8 - 15
43B	Marlow very stony fine sandy loam	3 - 8
43C	Marlow very stony fine sandy loam	8 - 15
44B	Peru fine sandy loam	3 - 8
45B	Peru very stony fine sandy loam	3 - 8
45C	Peru very stony fine sandy loam	8 - 15
46B	Ridgebury fine sandy loam	3 - 8
48B	Ridgebury very stony fine sandy loam	3 - 8
52B	Hermon sandy loam	3 - 8
52C	Hermon sandy loam	8 - 15
53B	Hermon very stony sandy loam	3 - 8
53C	Hermon very stony sandy loam	8 - 15
54B	Waumbek sandy loam	3 - 8
55B	Waumbek very stony fine sandy loam	3 - 8
58B	Leicester very stony fine sandy loam	3 - 8
62B	Lyman fine sandy loam	3 - 8
62C	Lyman fine sandy loam	8 - 15
63B	Lyman very rocky fine sandy loam	3 - 8
63C	Lyman very rocky fine sandy loam	8 - 15
68B	Nicholville very fine sandy loam	3 - 8



MAP 3

Lamoine Township

Hancock County

Utilization: Septic Sewage Disposal

Modifications: (Maine State Plumbing Code)

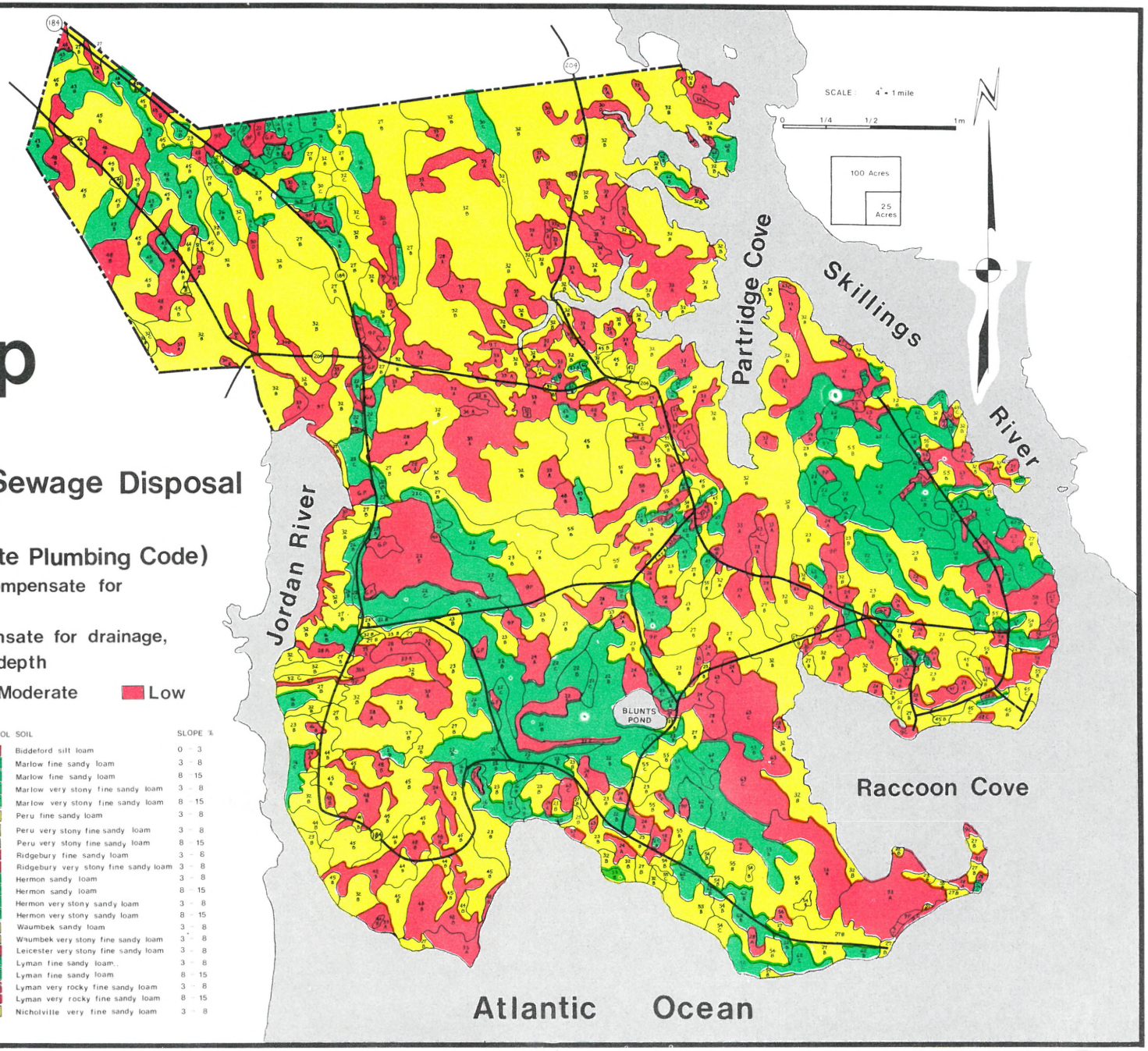
Proper design of system to compensate for permeability

Fill immediate site to compensate for drainage, depth to bedrock, rooting depth

Soil Potential: High Moderate Low

MAP SYMBOL	SOIL	SLOPE %
GP	Gravel pit	
9T	Tidal marsh	0 - 3
9P	Saprists & hemists	0 - 3
9M	Fresh water marsh	0 - 3
16B	Adams loamy sand	3 - 8
16C	Adams loamy sand	8 - 15
22B	Colton gravelly loamy sand	3 - 8
22C	Colton gravelly loamy sand	8 - 15
22E	Colton gravelly loamy sand	25 - 45
23B	Duane sandy loam	3 - 8
24A	Walpole fine sandy loam	0 - 3
24B	Walpole fine sandy loam	3 - 8
26B	Melrose fine sandy loam	3 - 8
26C	Melrose fine sandy loam	8 - 15
27A	Elmwood fine sandy loam	0 - 3
28A	Swanton fine sandy loam	0 - 3
30C	Suffield silt loam	8 - 15
30D	Suffield silt loam	15 - 25
30E	Suffield silt loam	25 - 45
32B	Buxton silt loam	3 - 8
32C	Buxton silt loam	8 - 15
33A	Scantic silt loam	0 - 3
33B	Scantic silt loam	3 - 8

MAP SYMBOL	SOIL	SLOPE %
34A	Biddeford silt loam	0 - 3
42B	Marlow fine sandy loam	3 - 8
42C	Marlow fine sandy loam	8 - 15
43B	Marlow very stony fine sandy loam	3 - 8
43C	Marlow very stony fine sandy loam	8 - 15
44B	Peru fine sandy loam	3 - 8
45B	Peru very stony fine sandy loam	3 - 8
45C	Peru very stony fine sandy loam	8 - 15
46B	Ridgebury fine sandy loam	3 - 8
48B	Ridgebury very stony fine sandy loam	3 - 8
52B	Hermon sandy loam	3 - 8
52C	Hermon sandy loam	8 - 15
53B	Hermon very stony sandy loam	3 - 8
53C	Hermon very stony sandy loam	8 - 15
54B	Waumbek sandy loam	3 - 8
55B	Waumbek very stony fine sandy loam	3 - 8
58B	Leicester very stony fine sandy loam	3 - 8
62B	Lyman fine sandy loam	3 - 8
62C	Lyman fine sandy loam	8 - 15
63B	Lyman very rocky fine sandy loam	3 - 8
63C	Lyman very rocky fine sandy loam	8 - 15
68B	Nicholville very fine sandy loam	3 - 8



MAP 4

Lamoine Township

Hancock County

Soil Suitability for:

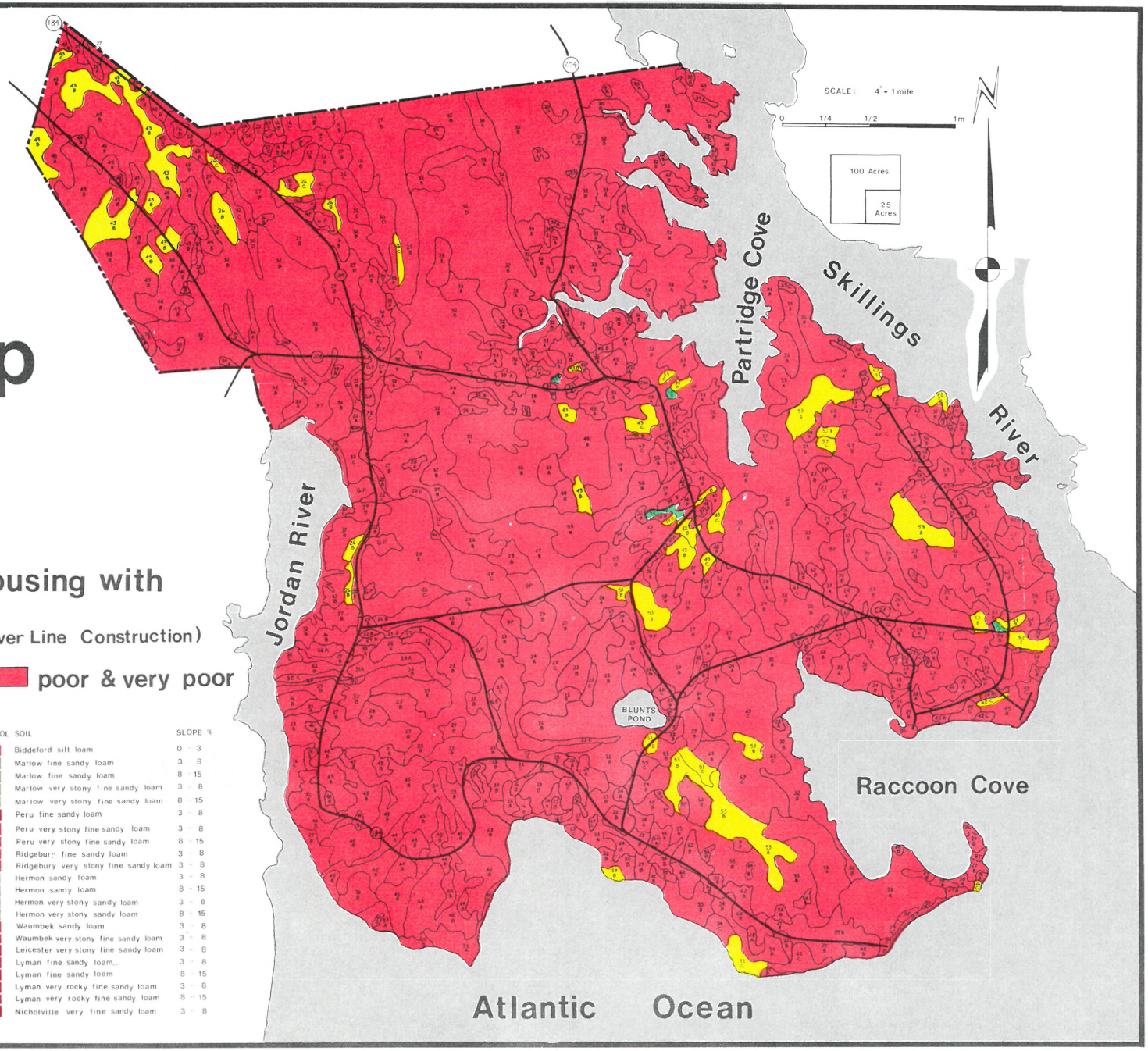
Residential Housing with Public Sewer

(Foundation, Pipe & Sewer Line Construction)

good fair poor & very poor

MAP SYMBOL	SOIL	SLOPE %
GP	Gravel pit	
9T	Tidal marsh	0 - 3
9P	Saprists & hemists	0 - 3
9M	Fresh water marsh	0 - 3
16B	Adams loamy sand	3 - 8
16C	Adams loamy sand	8 - 15
22B	Colton gravelly loamy sand	3 - 8
22C	Colton gravelly loamy sand	8 - 15
22E	Colton gravelly loamy sand	25 - 45
23B	Duane sandy loam	3 - 8
24A	Walpole fine sandy loam	0 - 3
24B	Walpole fine sandy loam	3 - 8
26B	Melrose fine sandy loam	3 - 8
26C	Melrose fine sandy loam	8 - 15
27A	Elmwood fine sandy loam	0 - 3
28A	Swanton fine sandy loam	0 - 3
30C	Suffield silt loam	8 - 15
30D	Suffield silt loam	15 - 25
30E	Suffield silt loam	25 - 45
32B	Buxton silt loam	3 - 8
32C	Buxton silt loam	8 - 15
33A	Scantic silt loam	0 - 3
33B	Scantic silt loam	3 - 8

MAP SYMBOL	SOIL	SLOPE %
34A	Biddeford silt loam	0 - 3
42B	Marlow fine sandy loam	3 - 8
42C	Marlow fine sandy loam	8 - 15
43B	Marlow very stony fine sandy loam	3 - 8
43C	Marlow very stony fine sandy loam	8 - 15
44B	Peru fine sandy loam	3 - 8
45B	Peru very stony fine sandy loam	3 - 8
45C	Peru very stony fine sandy loam	8 - 15
46B	Ridgebury fine sandy loam	3 - 8
48B	Ridgebury very stony fine sandy loam	3 - 8
52B	Hermon sandy loam	3 - 8
52C	Hermon sandy loam	8 - 15
53B	Hermon very stony sandy loam	3 - 8
53C	Hermon very stony sandy loam	8 - 15
54B	Waumbek sandy loam	3 - 8
55B	Waumbek very stony fine sandy loam	3 - 8
58B	Leicester very stony fine sandy loam	3 - 8
62B	Lyman fine sandy loam	3 - 8
62C	Lyman fine sandy loam	8 - 15
63B	Lyman very rocky fine sandy loam	3 - 8
63C	Lyman very rocky fine sandy loam	8 - 15
68B	Nicholville very fine sandy loam	3 - 8



MAP 5

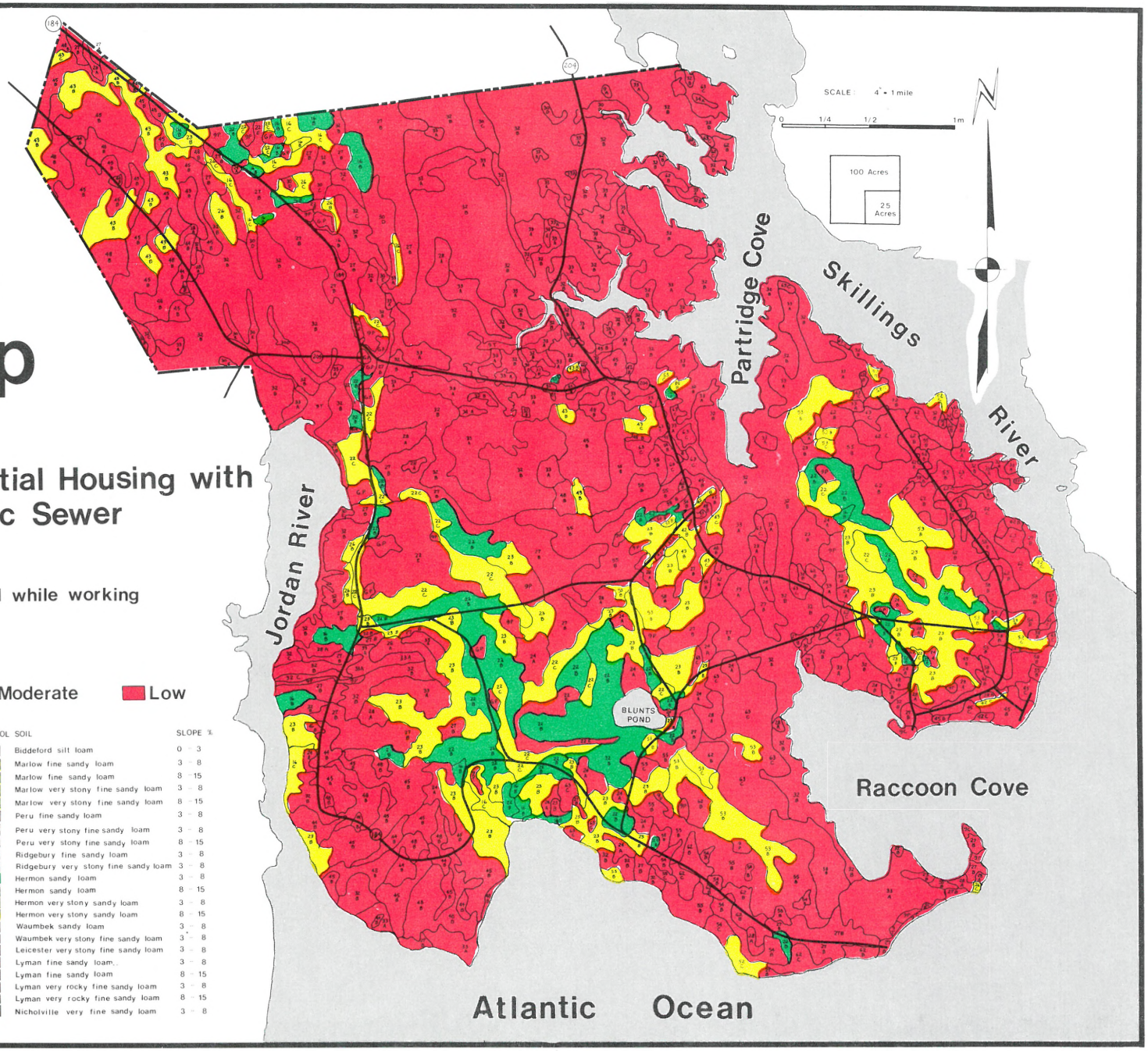
Lamoine Township

Hancock County

Utilization: Residential Housing with Public Sewer

Modifications:

Reinforcement of trench wall while working



Soil Potential: High Moderate Low

MAP SYMBOL	SOIL	SLOPE %
GP	Gravel pit	
9T	Tidal marsh	0 - 3
9P	Saprists & hemists	0 - 3
9M	Fresh water marsh	0 - 3
16B	Adams loamy sand	3 - 8
16C	Adams loamy sand	8 - 15
22B	Colton gravelly loamy sand	3 - 8
22C	Colton gravelly loamy sand	8 - 15
22E	Colton gravelly loamy sand	25 - 45
23B	Duane sandy loam	3 - 8
24A	Walpole fine sandy loam	0 - 3
24B	Walpole fine sandy loam	3 - 8
26B	Melrose fine sandy loam	3 - 8
26C	Melrose fine sandy loam	8 - 15
27A	Elmwood fine sandy loam	0 - 3
28A	Swanton fine sandy loam	0 - 3
30C	Suffield silt loam	8 - 15
30D	Suffield silt loam	15 - 25
30E	Suffield silt loam	25 - 45
32B	Buxton silt loam	3 - 8
32C	Buxton silt loam	8 - 15
33A	Scantic silt loam	0 - 3
33B	Scantic silt loam	3 - 8

MAP SYMBOL	SOIL	SLOPE %
34A	Biddeford silt loam	0 - 3
42B	Marlow fine sandy loam	3 - 8
42C	Marlow fine sandy loam	8 - 15
43B	Marlow very stony fine sandy loam	3 - 8
43C	Marlow very stony fine sandy loam	8 - 15
44B	Peru fine sandy loam	3 - 8
45B	Peru very stony fine sandy loam	3 - 8
45C	Peru very stony fine sandy loam	8 - 15
46B	Ridgebury fine sandy loam	3 - 8
48B	Ridgebury very stony fine sandy loam	3 - 8
52B	Hermon sandy loam	3 - 8
52C	Hermon sandy loam	8 - 15
53B	Hermon very stony sandy loam	3 - 8
53C	Hermon very stony sandy loam	8 - 15
54B	Waumbek sandy loam	3 - 8
55B	Waumbek very stony fine sandy loam	3 - 8
58B	Leicester very stony fine sandy loam	3 - 8
62B	Lyman fine sandy loam	3 - 8
62C	Lyman fine sandy loam	8 - 15
63B	Lyman very rocky fine sandy loam	3 - 8
63C	Lyman very rocky fine sandy loam	8 - 15
68B	Nicholville very fine sandy loam	3 - 8

MAP 6

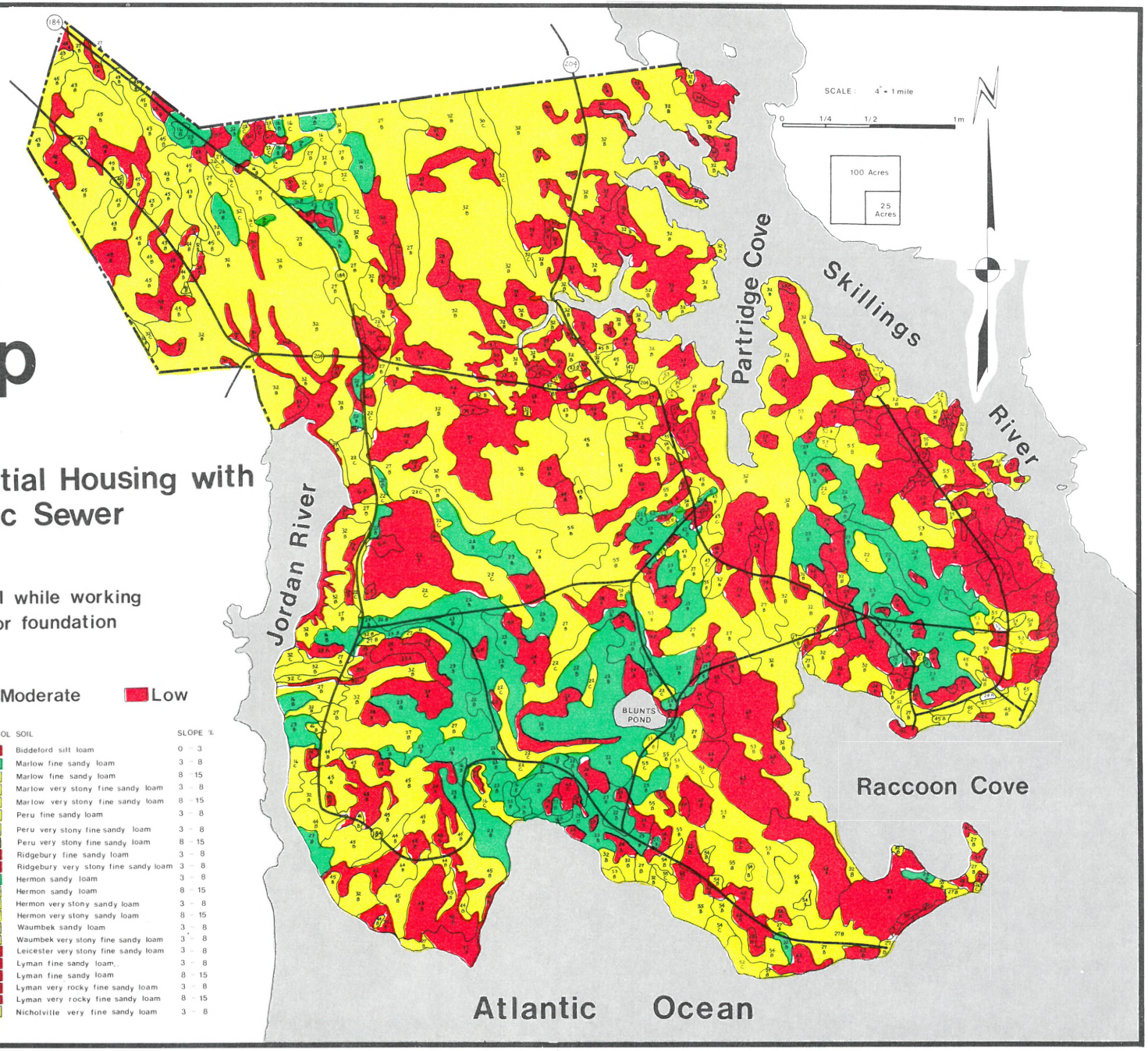
Lamoine Township

Hancock County

Utilization: Residential Housing with Public Sewer

Modifications:

Reinforcement of trench wall while working
Provide adequate drainage for foundation



Soil Potential: High | Moderate | Low

MAP SYMBOL	SOIL	SLOPE %
GP	Gravel pit	
01	Tidal marsh	0 - 3
SP	Saprists & hemists	0 - 3
8M	Fresh water marsh	0 - 3
16B	Adams loamy sand	3 - 8
16C	Adams loamy sand	8 - 15
22B	Colton gravelly loamy sand	3 - 8
22C	Colton gravelly loamy sand	8 - 15
22E	Colton gravelly loamy sand	25 - 45
23B	Duane sandy loam	3 - 8
24A	Walpole fine sandy loam	0 - 3
24B	Walpole fine sandy loam	3 - 8
26B	Melrose fine sandy loam	3 - 8
26C	Melrose fine sandy loam	8 - 15
27A	Elmwood fine sandy loam	0 - 3
28A	Swanton fine sandy loam	0 - 3
30C	Suffield silt loam	8 - 15
30D	Suffield silt loam	15 - 25
30E	Suffield silt loam	25 - 45
32B	Buxton silt loam	3 - 8
32C	Buxton silt loam	8 - 15
33A	Scantic silt loam	0 - 3
33B	Scantic silt loam	3 - 8
34A	Biddeford silt loam	0 - 3
42B	Marlow fine sandy loam	3 - 8
42C	Marlow fine sandy loam	8 - 15
43B	Marlow very stony fine sandy loam	3 - 8
43C	Marlow very stony fine sandy loam	8 - 15
44B	Peru fine sandy loam	3 - 8
45B	Peru very stony fine sandy loam	3 - 8
45C	Peru very stony fine sandy loam	8 - 15
48B	Ridgebury fine sandy loam	3 - 8
48B	Ridgebury very stony fine sandy loam	3 - 8
52B	Hermon sandy loam	3 - 8
52C	Hermon sandy loam	8 - 15
53B	Hermon very stony sandy loam	3 - 8
53C	Hermon very stony sandy loam	8 - 15
54B	Waumbek sandy loam	3 - 8
55B	Waumbek very stony fine sandy loam	3 - 8
58B	Leicester very stony fine sandy loam	3 - 8
62B	Lyman fine sandy loam	3 - 8
62C	Lyman fine sandy loam	8 - 15
63B	Lyman very rocky fine sandy loam	3 - 8
63C	Lyman very rocky fine sandy loam	8 - 15
68B	Nicholville very fine sandy loam	3 - 8